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14 October 1963

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MEMORANDUM FOR THE RECORD

SUBJECT: Project KEDLOCK-Status

1. The KEDLOCK project is an extension of the OXCART project.
2. The KEDLOCK AF-12 is a high altitude, high performance, long-range interceptor airplane capable of extended cruise performance at altitudes over 75,000 feet, at speeds of Mach 3.2 with a cruise radius of 1200 N.M. The AF-12 configuration is a minimum change outgrowth of the A-12 reconnaissance vehicle, with modifications as required to accept the armament provisions. The vehicle is configured for navigational and attack self-sufficiency by use of an inertial reference platform, and has long range communication capability compatible with the current and anticipated ADC environment. Weapon system operational modes include mission completion with or without ground complex [Redacted] support. The wing is a thin, low aspect ratio delta platform with a high degree of sweep for the high Mach number cruise characteristic. Chines are provided on the forward fuselage for stowage of the missiles and equipment and to provide effective body lift and trim at supersonic speeds. Twin vertical tails are mounted on the two mid-span engine nacelles, with additional directional stability provided by a folding ventral fin mounted on the aft fuselage. Weapons system combines an ASG-18 fire control system with a Hughes GAR-9 missile. The KEDLOCK program is controlled by Director, Program D.

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3. The three aircraft which currently comprise the KEDLOCK program will be turned over to flight test in Fiscal Year 1964.

cc: EXO/NRO
DD/NRO
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